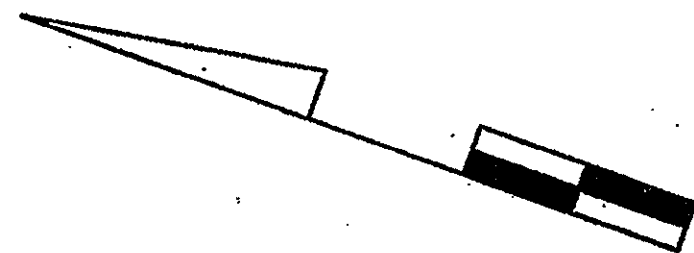


DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV. DATE: June 1, 2004



NOTE: MD 355 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
3. Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
4. The 10' separation between pushbuttons is to be measured from the face of pushbutton, not center to center of pole.
5. The Contractor shall remove all unused wiring from the signal equipment

PROJECT DESCRIPTION**I. GENERAL**

This project involves the modification of an existing Traffic Control Signal at MD 355 (Wisconsin Ave) between the intersection of MD 355 (Wisconsin Ave) / Wisconsin Circle and the intersection of MD 355 (Wisconsin Ave) / Montgomery Street in Montgomery County. MD 355 (Wisconsin Ave) is assumed to run a north-south direction.

II. INTERSECTION OPERATION

1. This signal shall continue to operate as a mid block pedestrian crossing signal with the MD 355 (Wisconsin Ave) approaches running concurrently. The pushbutton actuated exclusive phase across MD 355 (Wisconsin Ave) shall now be a Countdown pedestrian phase with audible pushbutton actuation.
2. The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.
3. SHA signal shop shall install APS control unit into controller cabinet. The Contractor shall deliver the Control Unit and audible pushbuttons to the SHA Signal Shop for testing and programming.

III. SPECIAL NOTES

1. The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
2. All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Kamal Hamud at (240) 777-8761 seventy-two hours in advance of intended work.

3. The APS will function as follows:**FOR WISCONSIN AVENUE**

- a. When pedestrian locates and presses pushbutton for an extended time, the pushbutton unit will be "Wait to cross Wisconsin Avenue."
 - b. When WALK phase begins, the message will be a rapid tick which will last for the duration of the WALK phase.
- The contact persons for District #3 (Montgomery County) are as follows:

Mr. Jeff Wentz
Assistant District Engineer -
Traffic
Phone: (301) 513-7358

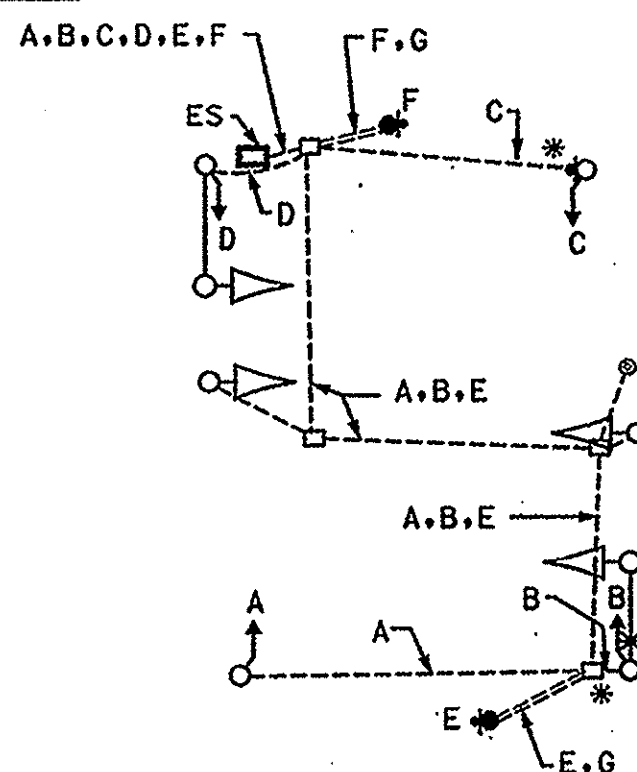
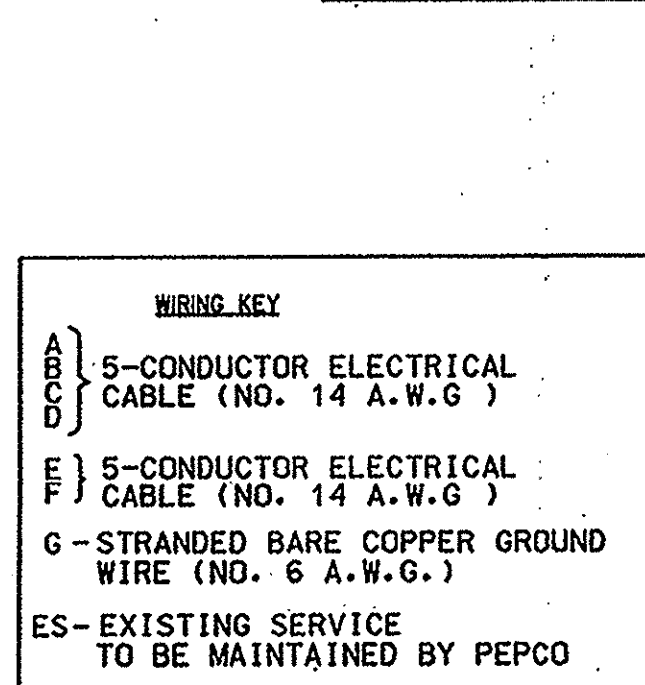
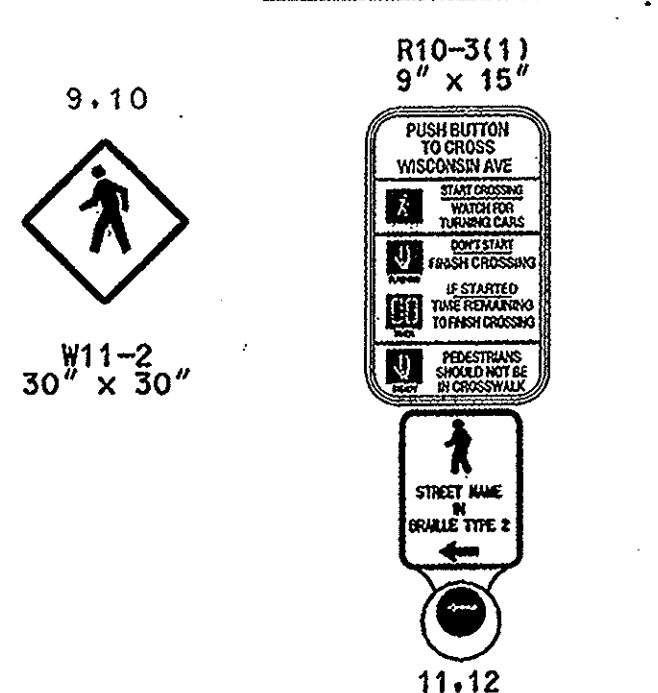
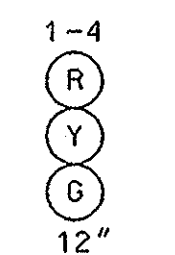
Mr. Wayne Mowdy
Assistant District Engineer -
Maintenance
Phone: (301) 513-7304

Mr. Augie Reblish
District Engineer - Utility
Phone: (301) 513-7350

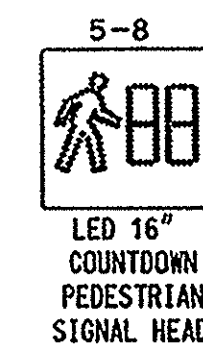
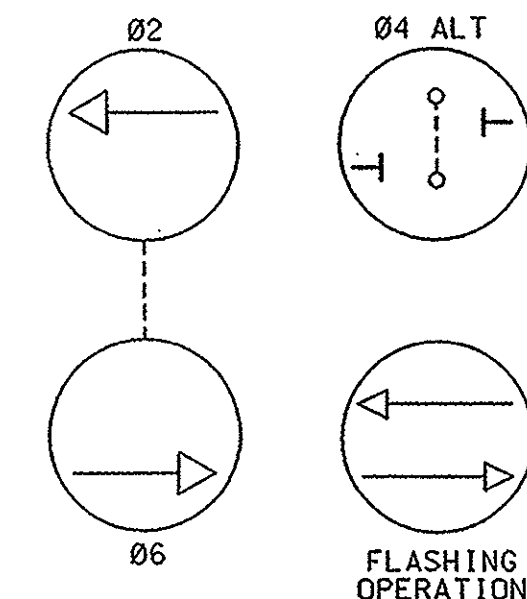
Mr. Richard L. Daff, Sr.
Chief, Traffic Operations
Division
Phone: (410) 787-7630

Mr. Keith Lord
Montgomery County Signal Shop
301-674-8965

Mr. Sonny Bailey
Sign Shop
410-787-7676

WIRING DIAGRAM**PROPOSED SIGNS****EXISTING SIGNALS**

© - SURVEILLANCE CAMERA

PROPOSED SIGNALS**NEMA PHASING****PHASING NOTES:**

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

EQUIPMENT LIST**A. EQUIPMENT TO BE SUPPLIED BY S.H.A..**

ITEM NO.	DESCRIPTION	QUANTITY
9571	Sheet aluminum signs to consist of: (most arm or pole mount)	14 SF
W11-2	"PEDESTRIAN CROSSING (SYMBOL)" sign, (30" x 30")	2 EA
	Pedestrian education R10-3(1) sign. (Note: sign to read "PUSHBUTTON TO CROSS WISCONSIN AVE")	2 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
2002	Test Pit Excavation	2 C.Y.
6002	4" concrete sidewalk.	90 S.F.
8003	2 wire Central Control unit	1 EA
8010	Audible/tactile pedestrian pushbutton station & signs.	4 EA
8011	Breakaway pedestal pole (5')	2 EA
8014	LED 16" countdown pedestrian signal heads.	4 EA
8017	Remove and dispose of existing material & equipment per assignment.	1 EA
8026	Schedule 80 rigid PVC conduit up to 4" - trenched.	30 L.F.
8027	Detectable warning surfaces	54 S.F.
8028	Relocate existing sign.	2 S.F.
8030	Concrete for signal foundation.	1.4 CY
8046	Install overhead sign.	14 SF
8060	Electrical cable - 5 conductor (No. 14 AWG).	405 L.F.
Neg.	Paint signal pole brown.	2 EA

C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.

SHA No: MO281A58/C58

TOD No: AT925-18

MD 355 Mid Block Pedestrian Crossing @ Wisconsin Circle



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 355 (WISCONSIN AVE) @
MID BLOCK PED CROSSING,
NORTH OF WISCONSIN CIRCLE

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 12/08/06 CONTRACT NO.

DESIGNED BY J.W. ALLEN COUNTY MONTGOMERY

DRAWN BY D.A. NIES LOGMILE 15035500.15

CHECKED BY F.A.P. NO. TMS NO. 1060

F.A.P. NO. TOD NO.

TS NO. DRAWING NO. 1 OF 1 SHEET NO. OF

GEOMETRIC LEGEND

PROPOSED

EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE

ELECTRIC

TELEPHONE

GAS

SEWER

WATER

CABLE TV

APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

PLOTTER: 3047TIME9

FILE: 9FILES

5194.dgn

T-60

STREET TRAFFIC STUDIES, LTD.

400 Crain Hwy., N.W.

Glen Burnie, MD 21061

Ph (410) 530-5500

Fax (410) 530-6337